

20031130.qrp v03_n120.qrl.20031130

Date: Sun, 30 Nov 2003 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3120

QRP-L Digest 3120

Topics covered in this issue include:

- 1) [162039] Re: weller wtcpt question..
by Bruce Muscolino <w6toy@erols.com>
- 2) [162040] keys
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 3) [162041] Re: [AZpad] While waiting for the paddle
by "Brad Hedges" <bhedges@nc.rr.com>
- 4) [162042] [FS] PSK-80 Warbler w/30 mtr kit Unbuilt
by Chuck Carpenter <w5usj@9plus.net>
- 5) [162043] For Sale Items
by "Dick Housden, W0NTA" <housden@comcast.net>
- 6) [162044] Re: MFJ 259B
by Karl Larsen <k5di@zianet.com>
- 7) [162045] Re: weller wtcpt question..
by "Bruce Kizerian" <kizerian@xmission.com>
- 8) [162046] Re: weller wtcpt question..
by "Bruce Kizerian" <kizerian@xmission.com>
- 9) [162047] Re: [AZpad] While waiting for the paddle
by <igeq100@iupui.edu>
- 10) [162048] FS: S&S Engineering ARK-4 40 meter Transceiver
by "Michael Melland, W9WIS" <w9wis@charter.net>
- 11) [162049] Ten Tec 1330
by "Tom Mc" <thom2@worldnet.att.net>
- 12) [162050] Flash: bulleTIN
by "Rex Harper" <w1rex@megalink.net>
- 13) [162051] Re: [AZpad] While waiting for the paddle
by Chuck Adams <k7qo@commspeed.net>
- 14) [162052] Re: Analog needle panel meters
by Tim Groat <tcgroat@earthlink.net>
- 15) [162053] Re: [AZpad] While waiting for the paddle
by Dale Botkin <dale@botkin.org>
- 16) [162054] Telex 610 Headsets
by John Kalotai <n1olo@yahoo.com>
- 17) [162055] How to measure keyed waveform
by "Larry - WA2DGD" <wa2dgd@comcast.net>
- 18) [162056] Re: Non Corrosive RTV
by Ed Tanton <n4xy@earthlink.net>
- 19) [162057] Need Multimeter

by Jack e wigal <kr8z1@juno.com>

20) [162058] OT: Envelopes for 8 cm (Small) CD/R's
by "W. Keith Hibbert" <wkhibbert@frontiernet.net>

21) [162059] Fox - Fox Hunt Team Results.
by "rattray" <rattray@accesscomm.ca>

22) [162060] WTB: Six Meter AM Rig
by "Alan Fryer" <N3BJ@hotmail.com>

23) [162061] Fox - Fox Hunt Team Results -
by "rattray" <rattray@accesscomm.ca>

24) [162062] Re: Comparison of the K2 to the Ten Tec Orion in Europe RF
environment
by "Bill Rowlett" <kc4atu@hotmail.com>

25) [162063] Weller WCTP Iron
by "John Farnsworth" <johnfarns@bellsouth.net>

26) [162064] Re: S&S Engineering ARK-4 40 meter Transceiver - SOLD
by "Michael Melland, W9WIS" <w9wis@charter.net>

27) [162065] FOX: N1FN Log, Hunt 10
by "Marshall Emm" <mgemm@mtechnologies.com>

28) [162066] Re: How to measure keyed waveform
by "Michael C. Boatright" <ko4wx@mindspring.com>

29) [162067] Re: Need Multimeter
by "Brad Hedges" <bhedges@nc.rr.com>

30) [162068] Re: Need Multimeter
by Chris Cartwright <ccart@phideaux.com>

31) [162069] Re: N1FN Log, Hunt 10
by "Sam Binkley" <sbinkley1@cox.net>

32) [162070] 8 cm Envelopes, The Hard Way (Homebrew)
by "W. Keith Hibbert" <wkhibbert@frontiernet.net>

33) [162071] Re: OT: Envelopes for 8 cm (Small) CD/R's
by Bruce Muscolino <w6toy@erols.com>

34) [162072] Re: Need Multimeter
by Bruce Muscolino <w6toy@erols.com>

35) [162073] Re: Need Multimeter
by "john gabbard" <johngabbard@usintouch.com>

36) [162074] Re: 8 cm Envelopes, The Hard Way (Homebrew)
by "Leon Heller" <leon_heller@hotmail.com>

37) [162075] MFJ cub 9340 manual help
by "Brian Olson" <brolson@ties.k12.mn.us>

38) [162076] Re: Need Multimeter
by Ed Tanton <n4xy@earthlink.net>

39) [162077] More Yaesu VX-2 Tiny HT
by Karl Larsen <k5di@zianet.com>

40) [162078] Re: [AZpad] While waiting for the paddle
by Karl Larsen <k5di@zianet.com>

41) [162079] FOX - Fox Hunt Team Results -
by "rattray" <rattray@accesscomm.ca>

42) [162080] Sunday Night Net
by "Jerry Ford" <benlightnd13@mchsi.com>

- 43) [162081] [SOLD] PSK-80 Warbler w/30 mtr kit
by Chuck Carpenter <w5usj@9plus.net>
- 44) [162082] RE: More Yaesu VX-2 Tiny HT
by "Michael Bower N4NMR" <bowerm@ix.netcom.com>
- 45) [162083] NORCAL cap kit???
- by Mark Hogan <n5obc@yahoo.com>
- 46) [162084] Final Truffle Log
by "Jerry Ford" <benlightnd13@mchsi.com>
- 47) [162085] FS
by "N2ICZ" <n2icz@hotmail.com>
- 48) [162086] RE: More Yaesu VX-2 Tiny HT
by Karl Larsen <k5di@zianet.com>
- 49) [162087] RE: NORCAL cap kit???
- by "Paul" <pswarman@screaming.net>
- 50) [162088] Re: NORCAL cap kit???
- by Mark Hogan <n5obc@yahoo.com>
- 51) [162089] Re: How to measure keyed waveform
by Steven Weber <kd1jv@moose.ncia.net>
- 52) [162090] RE: NORCAL cap kit???
- by Mark Hogan <n5obc@yahoo.com>
- 53) [162091] Capacitor markings
by Ed Tanton <n4xy@earthlink.net>
- 54) [162092] Re: How to measure keyed waveform
by Ed Tanton <n4xy@earthlink.net>
- 55) [162093] FOX: Tom KV2X
by Karl Larsen <k5di@zianet.com>
- 56) [162094] Re: QRPTTF 2003 results?
by John Sielke <jsielke@pobox.com>
- 57) [162095] DSW-20-RTTY QSO number two...or, 'tweren't no fluke...
by <bill@n4qa.com>
- 58) [162096] K1 ser.#1734
by "john gabbard" <johngabbard@usintouch.com>
- 59) [162097] Interesting CW Catch.....
by "Michael Melland, W9WIS" <w9wis@charter.net>
- 60) [162098] Re: Weller WCTP Iron
by "Bruce Kizerian" <kizerian@xmission.com>
- 61) [162099] Re: NORCAL cap kit???
- by Stephen Wandling <stephen@SwiftsureConsulting.com>
- 62) [162100] new processor chip for LDG tuners
by "NZ8J" <nz8j@woh.rr.com>
- 63) [162101] Re: 8 cm Envelopes, The Hard Way (Homebrew)
by David Hinerman <WD8CIV@worldnet.att.net>

Date: Sat, 29 Nov 2003 09:42:31 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kizerian@xmission.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [162039] Re: weller wtcpt question..

Message-ID: <3FC8B057.96509F0F@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well said Bruce, a typical small company commercial telling us the likes of a NASCAR team is as good as GM/Delphi. I do not doubt that your company makes excellent products, maybe 10 or 20 at a time, and that your customers are satisfied. But what would you do, and what changes in assembly and testing would you make if the contract called for 100 or 1000 units?

Sure, wave soldering is a dated technique, so am I. Wave soldering was the best and most reliable technique available when I was working. ALL components were through hole types. Our boards were four layer double sided, about 8" x 10" with about 100 to 150 components on them. The circuitry was a mixture of analog and some digital. Wave soldering gave us the best consistency.

Is consistency important to the customer as long as the unit works properly? Yes, especially where you don't repair any failures. I know, your equipment does not fail) , but in the real world of production equipment does fail, and the military and other high volume users like Panasonic and even ham radio companies have learned that in-house or INDEPENDENT repair depots are the best way to care for their products.

To have success with such a concept requires not only careful training of personnel but a highly consistent product build. It is not enough to slap o the lid and say "it works". You have to prepare specs and write service and operating manuals, but you have to ensure that serial number 1001 is as exactly the same as serial number 1, to the best of your ability. Also you must ensure that the boards in serial number 1001 and serial number 1 will interchange any spare boards you provide and that they will work as designed.

Specs and standards are very important in this effort. They provide the outline that ensures that all the units look and perform exactly the same way With individual, low volume production the only way to guarantee such a result is to have a single operator or team build the run.

I am sorry you think standards are generally worthless. If you worked in a real production environment you might have a different idea. And large production companies are not all slow moving slugs either. The company I most identify had less than 300 employees when we won the contract for the F-16 Flight Control System. This was a multi stage

production contract, where we built about 20 pre production prototypes. These were the equivalent to your small hand built production runs. Our design was entered in a "fly off" against several other autopilot vendors; we won and received a production contract for about 100 airplanes. Our success with these led to more contracts for more planes.

At every point we had to conform to both government specs and standards but aircraft manufacturer specs and standards and our own internal specs and standards. These ensured commonality of units from number 1 on.

Don't get me wring here. I love development. I made my living at it for a long time. When I became associated with aircraft flight controls my career direction changed to production support and then to field engineering and support. Here is where commonality became sort of king. It didn't matter what serial number it was, you had to repair it. And we had one directed sub-contract for certain boards in our box; they had to be repaired and tested in one shop!

I
n the end this discussion really comes down to a matter of perspective. If you have always worked for a small company you will view it one way. If you have only worked for large production companies you will view the problem in a different way. Perhaps I am fortunate, I have worked for both and can understand both sides. That is what I am asking of you by these posts.

Bruce

Date: Sat, 29 Nov 2003 09:56:46 -0500
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [162040] keys
Message-ID: <007101c3b689\$02bb25e0\$c239ca44@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I want to thank all those who answered my note on keys. I sure got a lot of pro's and con's on the subject!!!
I appreciate all the info very much!!!
again , thanks to all who responded!!!
carl / kz5ca

Date: Sat, 29 Nov 2003 10:00:36 -0500
From: "Brad Hedges" <bhedges@nc.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [162041] Re: [AZpad] While waiting for the paddle
Message-ID: <009f01c3b689\$8badbde0\$b6c73942@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dale,

As a happy customer with more than a couple of your products, let me say that I would be VERY interested in a direct-mount version for this great looking little key. I might even have to order another key kit or two....

73!
K0BHC

----- Original Message -----
From: "Dale Botkin" <dale@botkin.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, November 29, 2003 1:47 AM
Subject: Re: [AZpad] While waiting for the paddle

> On Fri, 28 Nov 2003, Chuck Adams wrote:
>
> > NOTE: for those that can program the PIC chips. There is an article
> > in the December issue of QST with a picokeyer using the 12F629, the
> > same chip as is in the NorCal keyer.....
>
> I have some small experience with (ahem) the keyer in question, and I can
> tell you with some degree of confidence that the first thing that's
> getting done when *my* paddle kit arrives is to figure out a
> directly-attached keyer to screw onto it. I think I have the physical
> mounting part figured out, but I'll have to try it to see. And if you
> can't program a PIC, don't despair. There's bound to be a web site
> somewhere that a guy can buy one pre-programmed, or perhaps even a
> complete kit. Heck, it may even be mentioned in my signature block, you
> just never know.
>
> 73,
> Dale - N0XAS

> --
> It's a thankless job, but I've got a lot of Karma to burn off.
> PicoKeyer Analog with pot speed control now available! Or add
> memory and more to your Rock-Mite -- <http://www.hamgadgets.com>
>

Date: Sat, 29 Nov 2003 09:08:27 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [162042] [FS] PSK-80 Warbler w/30 mtr kit Unbuilt
Message-ID: <3.0.2.32.20031129090827.008739a0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For Sale,

Unbuilt:

NJQRP PSK-80 Warbler with 30 meter kit -- \$50 shipped to any USPS address.

The 30 meter kit if not needed includes lots of parts including several crystals.

No longer have any interest in PSK or finger-talking stuff... [g]

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Sat, 29 Nov 2003 08:24:21 -0700
From: "Dick Housden, W0NTA" <housden@comcast.net>
To: <qrp-l@lehigh.edu>
Subject: [162043] For Sale Items
Message-ID: <004c01c3b68c\$dd343a10\$0bc40918@yourtarbvp550m>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Good morning,

I still have several very nice items for sale from my previous post. Several

have been sold. Some others have reduced prices. I am also listing some items not listed before.

Elecraft K2 #3444 includes Noise blanker and audio filter/real time clock. I built this for use on CW only. Price \$675.00 shipped.

Small Wonder Labs DSW-II for 20 meters. Assembled very recently and in perfect condition. I have made several contacts with this little radio. Images available. Price 140.00 shipped.

NorCal 40A transceiver. This 40A is like new. I built it from the kit and added the KC-1 keyer/frequency counter. Also added a ten-turn pot for tuning. Works great. Images available. Price \$140.00 shipped.

LDG Z-11 auto tuner. In like new condition. Works great. I used this with my Argonaut V. Price \$125.00 shipped.

LDG RBA-1 4:1 balun. Price \$17.00 shipped.

Icom HM-7 microphone. I have used this microphone very successfully with the K2. It is in excellent condition. I can provide images by email if you desire. Price \$30.00 shipped.

Idiom Press Logikit CMOS-4 keyer. This is a great keyer with many features. Like new. I can provide images by email if you desire. Price \$90.00 shipped.

Idiom Press SCAF-1 audio filter. This is a great filter for reducing background noise. Like new. I can provide images by email if you desire. Price \$90.00 shipped.

NorCal 20 bare case. This is a new case still in the protective wrap. Would be nice for building accessories like power supply, antenna tuner, etc. Price \$20.00 shipped.

Ten-Tec 705 desk microphone. This works well with the Argonaut V as well as other Ten-Tec radios. It is in very nice condition. Price \$60.00 shipped.

Kenwood HS-5 headphones. Excellent condition with both sets of pads and the original box. Price \$45.00 shipped.

I am going to try to add a link once again to this posting. If this works, you can see images of some of this stuff at:

<http://home.comcast.net/~housden/welcome.htm>

If it doesn't, email me and I will send you the link.

All items include manuals. I will pay shipping within the lower 48. Other

places please email for additional charges. Please email questions to me directly at no_spam_w0nta@arrl.net. Remove the no_spam_.

Thanks to all who have responded to my postings.

72, Dick, W0NTA

Date: Sat, 29 Nov 2003 08:38:27 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: "George, W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [162044] Re: MFJ 259B
Message-ID: <Pine.LNX.4.44.0311290824460.4680-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Nov 2003, George, W5YR wrote:

> C'mon, Karl . . .
>
> Before you declare the procedure as "stupid" learn about it, understand it
> and then decide.

Your right of course. But my exclamation was over "why not just measure the power in and the power out".

>
> Frank's procedure is mathematically sound and practically useful. It yields
> results which are mathematically correct with bounded error and which agree
> with direct measurements, which Frank has also made and published.
>
> Perhaps I failed to make clear that after setting the tuner for $50+j0$ ohms
> at the input with a 50-ohm resistive load, one does NOT change the tuner
> settings when switching to the 25 and 100 ohm loads. Thus, the rho, RL and
> SWR for the 25 and 100 ohm loads will differ only if the tuner has loss,
> since for a lossless device, the rho for 25, and 100 ohm loads is the same:
> 0.33.

Yes this should work, but my way discovered that on 160 meters my tuner could not handle 25 ohm loads at all.

> Rho at the input for the 50 ohm load is, of course, zero because we adjust
> the tuner to make it so.
>

Sure.

> But just as lossy transmission line will show a different (lower) SWR at the
> input than is present at its load end, a lossy tuner will show a difference.
> There are mathematical relationships between the changes in rho, RL and SWR
> and the amount of loss presented by the tuner. The basis for this can be
> found in the ARRL Antenna Book under the discussion of lossy transmission
> lines.

That I have used and it's accurate.

>
> For a lossless tuner, the rho measured at its input should be 0.33 for
> either the 25 or 100 ohm load. If the tuner is lossy, the measured rho will
> be different and that difference can be used to calculate the loss.
> Similarly, RL and SWR will be different and formulas can be derived using
> those as variables to determine loss.

>
Yes and they are all in the Handbook.

> Rho, RL and SWR are all equivalent quantities with which any one can be
> determined if either of the other is known. For example, Return Loss is
> given by -20 times the log of rho.
>
> All that we are doing in the first step is making the tuner look like a
> piece of 50-ohm transmission line.

Yes that is a valid assumption since you can measure or compute
what is at the input and the output. But you don't know the length of
the transmission line.

The succeeding two steps then measure the
> loss in that virtual line by determining the change in rho, RL and SWR that
> the loss causes when the load is changed.

I assume RL is the 25 ohm resistor?

>
> This is not rocket science - just a clever application of a concept that we
> all know: loss in any device, such as a tuner or transmission line, changes
> the reflection coefficient seen at its input from that present at its
> output. What Frank has contributed is all the messy algebra to provide us
> with convenient formulas and a quick, easy test procedure.
>

OK. But the use of a RF Probe to measure the voltage at both
ends can be in error 20% but the percent of power loss will have just

meter reading errors. The RF probe error cancels out.

```
> 73, George W5YR
>
> ----- Original Message -----
> From: "Karl Larsen" <k5di@zianet.com>
> To: "George, W5YR" <w5yr@att.net>
> Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Friday, November 28, 2003 8:01 PM
> Subject: Re: MFJ 259B
>
>
> >
> > On Wed, 26 Nov 2003, George, W5YR wrote:
> >
> > >
> > > ----- Original Message -----
> > > From: "Karl Larsen" <k5di@zianet.com>
> > > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> > > Sent: Wednesday, November 26, 2003 6:51 AM
> > > Subject: Re: MFJ 259B
> > >
> > > <snip>
> > >
> > > > So I wonder how he did the measurement.
> > >
> > > The procedure is to put a 50 ohm resistive load on the tuner output and
> > with
> > > the 259B or similar instrument, adjust the tuner for 50+j0 input
> > impedance.
> > > Then the load is changed to 25 ohms and the rho or RL or SWR or all of
> > them
> > > are recorded. Then the load goes to 100 ohms and the parameters for that
> > > load are recorded.
> >
> > That is stupid George! Anyone who uses a tuner tunes it up so
> > "the load" is transformed to as near 50 +j0 as you can get. I can't
> > believe anyone did that!
>
>
```

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sat, 29 Nov 2003 08:48:06 -0700
From: "Bruce Kizerian" <kizerian@xmission.com>
To: "Bruce Muscolino" <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [162045] Re: weller wtcpt question..
Message-ID: <002b01c3b690\$2f436e40\$1e0746a6@98seoem>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce

I appreciate your taking the time to relate how the other side of industry works. I find it extraordinary that companies can produce consistent results over thousands and perhaps millions of identical products. And the methods we use at my place of employment are not always the best approach. Sometimes we design stuff that is almost impossible to build--and we have had our share of failures where we have gone beyond that.

Our Japanese customers sometimes get very frustrated with us because our methods are difficult to document. Our entertainment industry customers are mean and nasty and sue happy--that's how that industry operates. Our military and government customers sometimes disapprove of our methods (but they come back for more. So, we must be doing something right)...still, there are often better approaches than the ones we use.

And there is the accountability thing. If someone makes a mistake EVERYONE knows about it. Small company environments can be suprisingly brutal.

So, now you have "the rest of the story"...I am glad we could discuss this civilly--sometimes I get wound up and forget to be a gentleman.

You can check out my employer's website at www.sarcos.com

Thanks for this discussion

Bruce kk7zz

Date: Sat, 29 Nov 2003 08:50:56 -0700
From: "Bruce Kizerian" <kizerian@xmission.com>
To: "Bruce Muscolino" <w6toy@erols.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [162046] Re: weller wtcpt question..
Message-ID: <003101c3b690\$942b08e0\$1e0746a6@98seoem>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Unless of course the website is down--which appears to be the case right now. I told you we have our share of problems and difficulties.

Date: Sat, 29 Nov 2003 10:58:59 -0500 (EST)
From: <igeq100@iupui.edu>
To: Chuck Adams <k7qo@commspeed.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [162047] Re: [AZpad] While waiting for the paddle
Message-ID: <Pine.GS0.3.96.1031129104840.5697D-1000000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Chuck and all -

A few comments on the AZ paddle thread. Regarding the lacquer, I use a type available from McMaster-Carr (www.mcmaster.com). Use their search engine and look for clear lacquer. This product is pricey but in my experience it is tough, invisible, and last for years without crazing or delaminating. (No financial interest, etc.)

Regarding the scarcity and expense of springs. It is true that it is hard to get compression springs of the desired characteristics, but it seems that tension springs are much more common and cheaper. If you buy a bag of assorted springs the bulk of them are likely to be tension springs. They can be easily converted by "overextending" them until they are deformed to the required degree. The coils will now be evenly separated, and you will have a compression spring. By changing the amount of overextension, you can set the stiffness of the resulting springs over a very wide range. Then clip out the length you need, and bend the last turns inward slightly to form a flat end surface. You can make a large number of such springs for very little cost. Also, McMaster-Carr, as mentioned above, has long length of compression spring material that can be cut to length.

The AZ paddles look very nice, and all the work that the club is putting into them will be much appreciated by QRP enthusiasts. An excellent club project.

72,

Rich, WB9LPU

Date: Sat, 29 Nov 2003 10:05:27 -0800
From: "Michael Melland, W9WIS" <w9wis@charter.net>
To: <qrp-1@Lehigh.EDU>, <njqrp@njqrp.org>, <fpqrp-1@fpqrp.org>
Subject: [162048] FS: S&S Engineering ARK-4 40 meter Transceiver
Message-ID: <003001c3b6a3\$607c7700\$0300a8c0@e5o8v5>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

S&S Engineering ARK-4 40 meter QRP rig. Excellent condition, very stable, accurate synthesized frequency control, built like a tank... with original construction manual and instructions. I'm told the ARK-4's are fairly rare.

Radio tunes from 7.000 to 7.150 MHz. Has 400 Hz audio filter option, fine tuning option and RIT. The undrilled spots on the rear are for a built in keyer option. This one is set up for use either with a straight key or external keyer. I received an email back from S&S Friday that they have one (1) keyer kit left in stock if someone wanted to add this. The keyer components go on the internal board.

I'll post pics at
<http://webpages.charter.net/w9wis/ebay/ark4.jpg>
<http://webpages.charter.net/w9wis/ebay/ark42.jpg>
<http://webpages.charter.net/w9wis/ebay/ark43.jpg>

\$100 (new in 1996 they were a \$249 kit)

Mike, W9WIS

--

Michael Melland, W9WIS
Winneconne, WI USA
<http://webpages.charter.net/w9wis>

Date: Sat, 29 Nov 2003 11:10:13 -0500
From: "Tom Mc" <thom2@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [162049] Ten Tec 1330
Message-ID: <001401c3b693\$4967e820\$58a84b0c@x2f6a2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gnag,

I've acquired a TenTec 1330 30 meter transceiver. It seems to be putting out about 1.5 watts into a dummy load using a 13.8 volt power supply. I think this might be on the low side. If anyone can has this rig and can steer me in the right direction to try to fix this, I'd appreciate your help.

Thanks.
Tom WB2QDG

Date: Sat, 29 Nov 2003 11:08:59 -0500
From: "Rex Harper" <w1rex@megalink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [162050] Flash: bulleTIN
Message-ID: <003601c3b693\$1a190180\$5c3ca43f@stickfarmers>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fellow Tin-stuffin gangue,

Just a quick bulletin on some various TINs and enclosure deals I've come across in recent days.

1.) Altoids has a couple of new collectible tins, my favorite being Curious George. There is also a shaggy creature tin from a 'toon that I don't recognize. The Curious George tin would make a fine "salesman's sample" where you pack a neat QRP rig into the tin in order to spread the gospel to the uninitiated.

2.) Wallyworld has a very clean round tin collection in the kitchen gadget department. Nice rounded edge circular tins for spices. CHEAP and easy to customize as the stickers are eazy-off. I've seen the same types of tins at

Micheals Crafts and/or A.C.Moore.

3.) Michaels has in their current flyer, the small wooden boxes that are great for that custom "Louisiana Look" epitomized by the fine work of Jim N5IB. Check out his website. I saw that A.C.Moore was also 'giving' these small boxes away and they had a nice variety.

4.) Home Depot (my favorite store & also the store my 5 yo daughter has grown to hate the most) has in their Turkeyday sale, small Sheffield knife gift sets that come in a GREAT little carrying case. Two or three items to the set for \$9.97. I have WAY too many tins to build stuff into, a backlog that certainly would carry me till the year 2525 (if man is still alive), but I HAD to get one, (and maybe a couple more if I can DRAG my daughter back there before they are all sold out). It is not all metal, so Faraday might not be happy, but it is definately a 10 on the QRP enclosure scale!

.....end of bulleTIN

72,

W1REX Rex Harper "The Tinman"

Date: Sat, 29 Nov 2003 16:23:57 +0000
From: Chuck Adams <k7qo@commspeed.net>
To: Dale Botkin <dale@botkin.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [162051] Re: [AZpad] While waiting for the paddle
Message-ID: <5.2.1.1.0.20031129162216.01ddd790@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:47 AM 11/29/2003 -0600, Dale Botkin wrote:

>...snip snip...

>I have some small experience with (ahem) the keyer in question, and I can
>tell you with some degree of confidence that the first thing that's
>getting done when *my* paddle kit arrives is to figure out a
>directly-attached keyer to screw onto it. I think I have the physical
>mounting part figured out, but I'll have to try it to see. And if you
>can't program a PIC, don't despair. There's bound to be a web site
>somewhere that a guy can buy one pre-programmed, or perhaps even a
>complete kit. Heck, it may even be mentioned in my signature block, you
>just never know.

>
>73,
>Dale - NOXAS
>--
>It's a thankless job, but I've got a lot of Karma to burn off.
>PicoKeyer Analog with pot speed control now available! Or add
>memory and more to your Rock-Mite -- <http://www.hamgadgets.com>

Dale is the author of the article in QST.

I have one question. Is the hex file on the ARRL web site the same as the code shipped with the chip from you? Inquiring minds just gotta know.

dit dit es good job,

Chuck Adams K7QO k7qo@commspeed.net
<http://www.qsl.net/k7qo> CP-60

Moving to Arizona? Please bring your own water.

Date: Sat, 29 Nov 2003 09:44:40 -0700
From: Tim Groat <tcgroat@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [162052] Re: Analog needle panel meters
Message-ID: <5.1.1.6.2.20031129091615.00a20400@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

(1) Where I work, we had used analog meters since day one. But in today's market the demand for analog meters is low, so buying a good quality meter movement, scale, and mounting bezel is becoming quite expensive (even low quality ones are no bargain). So the new designs are using DVM displays--partly for the more modern look, partly for the improved resolution, but also because it costs less.

(2) There are several common sizes, but all are much larger than 7/8". Some use rectangular holes instead of round--that makes accurate hand cutting a bit easier. Using a behind-the-panel mounting gives a good look with a rectangular hole (like the meter on the HW8, HW9, etc.)

(3) To make the large hole, the best hand tool is a Greenlee punch. But if you think the meters are expensive, wait till you see the price on a 2"

punch! I go with scribing the circle, using the nibbler to come close to the scribed line, and carefully filing out the last fraction of an inch. It need not be perfect, as the meter front will cover up small imperfections in the hole. It's a trade off of time for money: Like most QRPers, I'm willing to spend more of the former than the latter.

(4) Many common DVM chips provide a read-out as a ratio to a "reference voltage". The reference usually is a fixed voltage at 100mV, 1V, 5V, etc.--but if you apply a variable reference, the meter displays the voltage ratio. This includes the Intersil 7106/7107 family, the National 3914 and 3915, and even the ADC input on some Microchip PICs. The PIC option is intriguing, because you could use software to linearize the display.

72,
--Tim (KROU)

>"Jason Hsu" <jhs001@heronetwork.com>:

>

><...>

>

>My questions:

>1. Where can you buy analog needle panel meters for a cheap price? They seem to be in limited supply and expensive (many are over \$100, some well over \$100).

>2. Are there any panel meters with shafts 7/8 of an inch wide or smaller? I ask because my Unibit only goes up to 7/8 inch.

>3. If the answer to question 2 is no, how do I drill a larger hole cleanly and neatly? I do have a Nibbler tool, but I think the edges of the holes would be even messier than those of a regular drill.

>4. Are there panel meters that can give you voltage 2 as a percentage of voltage 1? Measuring the reflected voltage sample as a percentage of the forward voltage sample would be necessary to determine the SWR.

Date: Sat, 29 Nov 2003 10:53:43 -0600 (CST)
From: Dale Botkin <dale@botkin.org>
To: Chuck Adams <k7qo@commspeed.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [162053] Re: [AZpad] While waiting for the paddle
Message-ID: <Pine.LNX.4.33.0311291028370.11294-1000000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 29 Nov 2003, Chuck Adams wrote:

> At 12:47 AM 11/29/2003 -0600, Dale Botkin wrote:
> >...snip snip...
> >I have some small experience with (ahem) the keyer in question, and I can
> >tell you with some degree of confidence that the first thing that's
> >getting done when *my* paddle kit arrives is to figure out a
> >directly-attached keyer to screw onto it. I think I have the physical
> >mounting part figured out, but I'll have to try it to see. And if you
> >can't program a PIC, don't despair. There's bound to be a web site
> >somewhere that a guy can buy one pre-programmed, or perhaps even a
> >complete kit. Heck, it may even be mentioned in my signature block, you
> >just never know.
> >
> >73,
> >Dale - N0XAS
> >--
> >It's a thankless job, but I've got a lot of Karma to burn off.
> >PicoKeyer Analog with pot speed control now available! Or add
> >memory and more to your Rock-Mite -- <http://www.hamgadgets.com>
>
>
> Dale is the author of the article in QST.
>
> I have one question. Is the hex file on the ARRL web site the same as
> the code shipped with the chip from you? Inquiring minds just gotta know.

Nope. The hex file on the ARRL site is the code as it was at the time the article was written, which was April of this year. I had to freeze it at some point, and didn't want the hex file to be too far out of sync with the article text. I added some features in July and August that are not in the older version. Here's a list of differences:

- 1.) Beacon mode. The code available from ARRL uses a jumper or switch on pin 4 for beacon mode. The newer versions use an embedded BN prosign and don't require the jumper (pin 4 is unused). I find that much more useful for sending CQ; I set mine up to beacon a 3x3 CQ every 10 seconds, and if someone responds all I have to do is tap a paddle to shut off the beacon.
- 2.) Message pause. The PS prosign is not supported in the old version.
- 3.) Straight key mode. The newer version supports the use of a straight key, detected at power on.

Anyone ordering a pre-programmed chip, regardless of whether it's from the reference in the article or not, will get the latest version. It's still backwards compatible with the old version and is sent with the latest instructions and data sheet, so even if they have built a board with a jumper for beacon mode it will still work fine.

> dit dit es good job,

Thanks!

72,

Dale - N0XAS

--

It's a thankless job, but I've got a lot of Karma to burn off.
PicoKeyer Analog with pot speed control now available! Or add
memory and more to your Rock-Mite -- <http://www.hamgadgets.com>

Date: Sat, 29 Nov 2003 09:07:48 -0800 (PST)
From: John Kalotai <n1olo@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [162054] Telex 610 Headsets
Message-ID: <20031129170748.65804.qmail@web80004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I happened into a bunch of brand new Telex headsets. They were
designed for use in school language labs but are great for the shack.
Best of all they are cheap. I am selling them for cost plus shipping.

<http://www.qsl.net/n1olo/telex610qrpl.html>

These are great if you are running CW classes. Contact me if you need
multiple units.

73

John N10LO

Date: Sat, 29 Nov 2003 13:03:15 -0500
From: "Larry - WA2DGD" <wa2dgd@comcast.net>
To: "Low Power Amateur Radio Discussion" <QRP-L@lehigh.edu>,
"Elecraft Reflector" <Elecraft@mailman.qth.net>
Subject: [162055] How to measure keyed waveform
Message-ID: <001301c3b6a3\$101b3990\$6601a8c0@hamroom>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,

What is the proper way to look at one's keyed waveform on a scope?

I was thinking of using a BNC T connector, with one end on the Ant. terminal of the K2, dummy load to the other end and the tap would go to the scope. Should I connect it directly to the scope with a short length of coax or use the scope probe. (which is compensated for a nice square wave.)? What is the correct way to trigger the scope. Should it be tied to the Keying line or let the scope autotrigger on the rig's output? If you should use the key line, what is the easiest way to do it if the rig has a built in keyer?

Thanks in advance,

Happy Holiday

73

Larry

WA2DGD

K2 #1672

ARCI QRP #11215

NJ-QRP# 395

Date: Sat, 29 Nov 2003 14:19:21 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: qrp-L Reflector <qrp-l@lehigh.edu>
Subject: [162056] Re: Non Corrosive RTV
Message-ID: <6.0.0.22.2.20031129141659.01e840d8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"; format=flowed
Content-Transfer-Encoding: quoted-printable

Thanks Terry. There are two useable methods for this: 1) G00P. Available at=20
Home Depot, etc. It is solvent-cured (as opposed to the water-cures like=20
'regular' Silastic) and therefore non-corrosive. It is stiffer and=20
therefore less flexible than true RTV-like materials. 2) 'REAL' RTV: there=20
is an "ELECTRONIC GRADE" RTV available at your local auto-parts store made=20
by Permatex. There are several kinds marketed by Permatex, so be certain=20
you get the right one. The "ELECTRONIC GRADE" may be in the 'fine print'-I=20
forget. But it is GREAT, and not as expensive as the stuff marketed at=20

Newark and Allied-which is the original stuff. The Permatex works just=20 fine, and is legitimately a non-corrosive RTV compound.

Please let me know how it works out for you-naturally that's great to= hear!!!

At 12:21 PM 11/29/2003, Terry Fletcher wrote:

>Hello Ed, N4XY
>
>Nice latching relay article in the Fall QRP-Q. You mentioned a non=20
>corrosive rtv sealant. It must be a type that doesn't incorporate acetic=20
>acid (I think that's its catalyst.). Do you have a favorite brand name=
=20
>of the stuff? All I've been able to find at our local hardware store=20
>smells acidic and I think it's probably not the non-corrosive kind.
>
>Thanx for any info, es 72/3 Terry, WA=D8ITP
>
>

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Sat, 29 Nov 2003 15:11:31 -0500
From: Jack e wigal <kr8z1@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [162057] Need Multimeter
Message-ID: <20031129.151132.-785485.13.kr8z1@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Gang, My old multimeter seems to be dying, so could some of you pro tinkerers suggest a medium priced one for an amatuer tinkerer????? Tnx,
Jack kr8z1@juno.com

Date: Sat, 29 Nov 2003 15:48:54 -0500
From: "W. Keith Hibbert" <wkhibbert@frontiernet.net>
To: qrp-1@lehigh.edu
Subject: [162058] OT: Envelopes for 8 cm (Small) CD/R's
Message-ID: <5.1.0.14.0.20031129154102.009e6a20@pop3.frontiernet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi. Keith here in the Depths of the Great Bergen Swamp

I have been copying more software on the small (8 cm) CD/R's recently and have run into a problem. The envelopes.

I used to get them from Office Max, but they have dropped that line. Office Depot, Staples, CompUSA, Best Buy and other stores do not list anything in the 8 cm size in their catalogs nor have I found anything (in English anyway) with a Google check as of yet.

The ones I was getting were paper with a clear window on one face. I also used to see Tyvek (tm) envelopes, but the only ones I now find are for 12 cm disks.

Does anyone on the List have a source?

73, Keith, WB2VU0, Trustee of the NQ2RP/B 10-Meter Beacon
28.2873 MHz on Your Radio Dial - 24/7

Date: Sat, 29 Nov 2003 19:59:35 -0600
From: "rattray" <rattray@accesscomm.ca>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "QRP-C" <qrp-canada@neale.gpfn.sk.ca>
Subject: [162059] Fox - Fox Hunt Team Results.
Message-ID: <000001c3b6e5\$9dbb2700\$7900a8c0@Bonnie>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hunt #8 - K3ESE -

QRP Cheeseheads - 29

Jerry - N9AW *
Rick - NK9G * Clean
Gary - W9XT * Sweep
Lon - W9XU *
Jim - WA9TZE *

Cajun Thunder - 26

Wayne - K5E0A
Wayne - N5YFC
Vern - AA50 *
Jim - N5IB
Chris -KD5UDB *

The Underdogs - 26

Dan - N4ROA *
Dennis - N4DD
Bob - KB2FEL
Dave - W0CH
Ron - KI0II *

Team Air Pork - 20

Wayne - K9DI *
Mike - KD5KXF
Dave - AG4PJ *
Randy - W9HL *
Jerry - N0JRN

Raiders of the Lost RF - 10

Rob - VE6JAZ
Craig - VE4WI
Fred - VE3FAL
Earl - VA6RF *
Bruce - VE5RC

The NE-TX Tornados - 32

Bill - K5JHP *
Don - K5DW
Doc - W5TB *
Lew - N5ZE *
George- W5YR *

...please e-mail me direct with corrections, changes...tnx....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sat, 29 Nov 2003 21:16:52 -0500
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [162060] WTB: Six Meter AM Rig
Message-ID: <Law9-0E264A6RQw0d0C000075b5@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There is some interest in this area for a 6M AM net. Might be a longshot, but wonder if anyone on the list may have an old 6M AM rig in reasonable shape that is surplus ? Suggestions from an OT include a Heathkit Sixer, Heathkit HW-10 (Shawnee), Clegg 66er, Gonset G-50 or ??

Please let me know if you have an old 6M AM rig that is gathering dust. Working or non-working considered.

Alan, N3BJ
Bent Mountain, VA

Date: Sat, 29 Nov 2003 20:25:18 -0600
From: "rattray" <rattray@accesscomm.ca>
To: "QRP-L" <qrp-1@Lehigh.EDU>, "QRP-C" <qrp-canada@neale.gpfn.sk.ca>
Subject: [162061] Fox - Fox Hunt Team Results -
Message-ID: <000001c3b6e9\$35c8e7a0\$7900a8c0@Bonnie>
MIME-Version: 1.0
Content-Type: text/plain;

charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hunt #9 - W0PWE -

QRP Cheeseheads - 30

Jerry - N9AW
Rick - NK9G
Gary - W9XT
Lon - W9XU
Jim - WA9TZE *

Cajun Thunder - 30

Wayne - K5E0A *
Wayne - N5YFC
Vern - AA50 *
Jim - N5IB *
Chris - KD5UDB *

The Underdogs - 30

Dan - N4ROA *
Dennis - N4DD *
Bob - KB2FEL *
Dave - W0CH
Ron - KI0II *

Team Air Pork - 22

Wayne - K9DI
Mike - KD5KXF *
Dave - AG4PJ *
Randy - W9HL
Jerry - N0JRN

Raiders of the Lost RF - 13

Rob - VE6JAZ
Craig - VE4WI *
Fred - VE3FAL
Earl - VA6RF *
Bruce - VE5RC *

The NE-TX Tornados - 37

Bill - K5JHP *
Don - K5DW * Clean
Doc - W5TB * Sweep
Lew - N5ZE *
George - W5YR *

...please e-mail me direct with corrections, changes...tnx....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 30 Nov 2003 02:48:42 +0000
From: "Bill Rowlett" <kc4atu@hotmail.com>
To: hoakley@btconnect.com, qrp-1@Lehigh.EDU
Subject: [162062] Re: Comparison of the K2 to the Ten Tec Orion in Europe RF environment
Message-ID: <Law15-F1020Xn2Pi1Y70002232d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Fellows, it does not matter how they did it, it is not apples to apples. The K2 is a good radio, but it does not and can not match an Orion. Nothing on the market at this time does. Near future, maybe.

Hope all had a good turkey day.

73, Bill kc4atu

>From: Howard Oakley <hoakley@btconnect.com>
>Reply-To: hoakley@btconnect.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Comparison of the K2 to the Ten Tec Orion in Europe RF environment
>Date: Thu, 27 Nov 2003 21:24:00 +0000
>
>On 27/11/03 18:20, Bruce Muscolino wrote:
>
> >> All subjective observations and no scientific method
> >> involved.
> >>
> > What an observation! In the end ham radio IS subjective. Anybody can
> > do performance tests and end up with numbers. The operational qualities
> > of a new radio are perhaps of the most interest to a prospective buyer.
> > How else can he decide if he wants to own the radio without spending
> > himself silly?
>
>Bruce,
>
>In an ideal world, there are three types of assessments that we would have:
>1. Lab performance tests - these are generally widely available, and one

>compilation of interest is at http://www.elecrafter.com/K2_perf.htm
>2. Subjective comparisons and reviews of the type posted in that article
>and
>in many other places. As you say, they provide invaluable information on
>what it is actually like to operate any given radio, and how experienced
>hams got on with the radio. By nature they are personal and subjective, and
>need careful evaluation, but are essential. Many of us have bought
>technically good products that have turned out to be much harder to use
>than
>we anticipated, and thus realised that we could not get the theoretical
>performance that we had expected.
>3. Objective human evaluations. These can be conducted scientifically, for
>instance using blinded auditions, timed task assessments, structured
>interviews, and so on. For serious commercial equipment, such as avionics,
>this type of assessment can also prove invaluable. It is very expensive and
>very time-consuming, and I have yet to see it applied to ham radio
>equipment. If anyone fancies funding this, I can happily provide details of
>what to do and who can do it.
>
>72,
>Howard.
>
>Dr Howard Oakley
>Isle of Wight, UK
>M1BWR (I090J0, EU-120)
>Active from 80 m to 23 cm
>
>

Gift-shop online from the comfort of home at MSN Shopping! No crowds, free parking. <http://shopping.msn.com>

Date: Sat, 29 Nov 2003 22:41:11 -0500
From: "John Farnsworth" <johnfarns@bellsouth.net>
To: "qrp-1@Lehigh. EDU" <qrp-1@Lehigh.EDU>
Subject: [162063] Weller WCTP Iron
Message-ID: <DIEHLGHLBGPJENLGEBAEMNCBAA.johnfarns@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey anybody know about the Weller Iron? Anybody have an opinion?

8->)

just had to . . . today's digest was a blast!

Date: Sat, 29 Nov 2003 22:15:59 -0800
From: "Michael Melland, W9WIS" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
 <njqrp@njqrp.org>, <fpqrp-l@fpqrp.org>
Subject: [162064] Re: S&S Engineering ARK-4 40 meter Transceiver - SOLD
Message-ID: <002201c3b709\$6c8bdd40\$0300a8c0@e5o8v5>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

SOLD

Thanks,

Mike

Date: Sat, 29 Nov 2003 22:16:50 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: QRP-L@lehigh.edu
Subject: [162065] FOX: N1FN Log, Hunt 10
Message-ID: <3FC91AD2.6191.20AE2B4@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Hi, Guys--

Sorry it's taken so long to get my log typed up-- it's old news by now. But punching it in was kind of like reliving the hunt. Especially where I had two or three partial calls on a line before hearing a complete one. I'd forgotten what it was like to have good condx and not run out of hounds half-way through [g]. Pelt total is 126, counting the two fox freebies and subtracting the one known dupe.

Bound to be a typo or two in there-- please let me know as soon as you can.

Thanks, everybody, for playing, and I hope to see you all on the bands...

73

ET

QRP-L 40M Fox Hunt

Hunt Number 10

Op: N1FN (ET)

QTH: Aurora CO

Ant: Rotating short dipole at 40' (C4S),

GAP Titan

--

| | | | | |
|------|---------|--------|--------|----|
| 0200 | W5YR | 559 TX | GEORGE | 5W |
| 0200 | N4ROA | 559 VA | RON | 5W |
| 0200 | KK5LD | 559 TX | DAN | 5W |
| 0201 | W5TB | 559 TX | DOC | 5W |
| 0202 | K0EVZ | 559 NM | DOC | 5W |
| 0202 | K5DW | 559 TX | DON | 5W |
| 0203 | N9NE | 599 WI | TODD | 5W |
| 0204 | AG0T | 559 ND | TODD | 4W |
| 0204 | NK6A | 559 CA | DON | 5W |
| 0205 | AC7A | 559 AZ | TOM | 5W |
| 0206 | W4FOA | 559 GA | TONY | 5W |
| 0206 | N0EA | 559 MO | WAYNE | 5W |
| 0207 | AA7EQ | 559 AZ | BOB | 5W |
| 0207 | N3BJ | 559 VA | ALAN | 5W |
| 0208 | W0CH | 559 MO | DAVE | 5W |
| 0208 | K3ESE | 559 MD | LLOYD | 5W |
| 0210 | AC5JH | 559 OK | TOM | 5W |
| 0211 | K6XR | 559 CA | REGGIE | 5W |
| 0212 | K6VNX | 559 CA | ARLEN | 5W |
| 0213 | KV2X | 559 NY | TOM | 5W |
| 0213 | N5ZE | 559 TX | LEW | 5W |
| 0214 | K8DDB/M | 559 MI | MIKE | 5W |
| 0216 | KT5V | 559 TX | DAVID | 5W |
| 0216 | W0UFO | 559 MN | MERT | 5W |
| 0217 | W9XT | 559 WI | GARY | 5W |
| 0218 | K5JHP | 559 TX | BILL | 5W |
| 0219 | K9OZ | 559 IL | BRUCE | 5W |
| 0220 | AD7JV | 559 VA | BILL | 5W |
| 0221 | W5HNS | 559 TX | HENRY | 5W |
| 0221 | N0JRN | 559 MO | JERRY | 5W |
| 0222 | AB0CD | 559 CO | DICK | 5W |
| 0223 | KG0PP | 559 CO | JIM | 5W |
| 0224 | W9XU | 559 WI | LON | 5W |
| 0224 | WA9TZE | 559 WI | JIM | 5W |
| 0225 | W5USJ | 559 TX | CHUCK | 5W |
| 0226 | VE3DJX | 559 ON | JIM | 5W |

| | | | | | |
|------|--------|-----|----|--------|----|
| 0227 | K5ZU | 559 | AR | JOHN | 5W |
| 0227 | K9UT | 599 | IN | JERRY | 5W |
| 0228 | KD5S | 559 | TX | RON | 5W |
| 0229 | K8KFJ | 599 | WV | GARY | 5W |
| 0230 | W2AGN | 559 | NJ | JOHN | 5W |
| 0231 | K3PH | 559 | PA | BOB | 5W |
| 0231 | K5DI | 559 | NM | KARL | 5W |
| 0232 | KG6WP | 599 | CA | WARD | 5W |
| 0233 | W7ILW | 559 | AZ | WALT | 5W |
| 0233 | N4DD | 559 | TN | DENNIS | 5W |
| 0234 | K4GT | 559 | GA | JIM | 5W |
| 0234 | K5AG | 559 | TX | ED | 5W |
| 0235 | K9NX | 559 | IN | TIM | 5W |
| 0235 | K5PSH | 559 | TX | JERRY | 5W |
| 0236 | N0HRL | 559 | MN | KEN | 5W |
| 0237 | N9AW | 559 | WI | JERRY | 5W |
| 0238 | K5IC | 559 | NM | AUDIE | 5W |
| 0239 | VE6JAZ | 559 | AB | ROB | 5W |
| 0240 | NK9G | 559 | WI | RICK | 5W |
| 0240 | KB9YIG | 579 | IN | TONY | 2W |
| 0241 | AF4LQ | 559 | KY | MIKE | 5W |
| 0242 | K2ZN | 559 | NY | AL | 5W |
| 0243 | W9HL | 559 | IL | RANDY | 5W |
| 0244 | K4SAV | 559 | FL | JERRY | 5W |
| 0245 | KJ0C | 559 | MO | JIM | 5W |
| 0245 | W0ANM | 559 | MN | CHRIS | 5W |
| 0246 | K3RXM | 559 | PA | FRANK | 5W |
| 0247 | KJ6CA | 579 | CA | BOB | 2W |
| 0248 | KD5KXF | 559 | TX | MIKE | 5W |
| 0249 | K4ADI | 559 | SC | FRANK | 5W |
| 0250 | WA9PWP | 579 | WI | PAUL | 5W |
| 0250 | K2TER | 559 | NY | BILL | 5W |
| 0251 | AA50 | 559 | LA | VERN | 5W |
| 0252 | KC1FB | 559 | CT | JIM | 5W |
| 0252 | K5E0A | 559 | LA | JAYNE | 5W |
| 0253 | KL7K | 559 | OK | SAM | 5W |
| 0254 | K8CV | 559 | MI | WALT | 5W |
| 0254 | W8KC | 559 | MI | PAUL | 5W |
| 0255 | AF4PP | 559 | GA | CHUCK | 5W |
| 0256 | WS4S | 559 | TN | CONARD | 5W |
| 0257 | AK7Y | 559 | AZ | GREG | 5W |
| 0258 | WB8YYY | 559 | MD | CURT | 5W |
| 0258 | K01M | 559 | VA | MIKE | 5W |
| 0259 | WA8BXN | 559 | OH | MIKE | 5W |
| 0300 | W6AZ | 559 | CA | RON | 5W |
| 0301 | KN5L | 559 | TX | JOHN | 5W |
| 0302 | AK5X | 559 | TX | BILL | 5W |
| 0302 | KG4LDY | 559 | VA | JIM | 5W |

| | | | | | |
|------|---------|-----|----|---------|---------|
| 0303 | K4JPN | 559 | GA | STEVE | 5W |
| 0304 | AB9CA | 559 | AL | DAVE | 5W |
| 0305 | W4NJK | 559 | CA | CHARLIE | 5W |
| 0305 | K8MIA | 559 | WV | JIM | 5W |
| 0306 | KB2FEL | 559 | NY | BOB | 5W |
| 0306 | VE5RC | 559 | SK | BRUCE | 5W |
| 0308 | KE6RS | 559 | CA | RON | 5W |
| 0309 | VA6RF | 559 | AB | EARL | 5W |
| 0309 | K0UU | 559 | MN | JEFF | 5W |
| 0311 | AB8DF | 559 | MI | ED | 5W |
| 0312 | W2LJ | 559 | NJ | LARRY | 5W |
| 0313 | VE4WI | 559 | MB | CRAIG | 5W |
| 0313 | K7TQ | 559 | ID | RANDY | 5W |
| 0314 | KC9LC | 559 | VA | RANDY | 5W |
| 0315 | N0TK | 559 | CO | DAN | 5W |
| 0316 | AG4PJ | 559 | AL | DAVE | 5W |
| 0317 | W5KDJ | 559 | TX | WAYNE | 5W |
| 0318 | AJ4AY | 559 | AL | JAY | 5W |
| 0319 | NN5E | 559 | TX | VERN | 5W |
| 0321 | KI0II | 559 | CO | RON | 5W |
| 0322 | KE9V | 559 | IN | JEFF | 5W |
| 0324 | N7MFB | 559 | WA | BILL | 5W |
| 0325 | WE9K | 559 | WI | GLENN | 5W |
| 0327 | K9DI | 559 | IL | WAYNE | 5W |
| 0328 | W9JOP/4 | 559 | VA | BOB | 5W |
| 0331 | WB8WTU | 559 | OH | DENNIS | 4W |
| 0332 | KN6YD | 559 | CA | JEFF | 5W |
| 0335 | AK7D | 559 | OR | FRED | 5W |
| 0336 | NV4V | 559 | KY | PETE | 5W |
| 0338 | KR0U | 559 | CO | TIM | 5W |
| 0339 | K5SR | 559 | TX | DAVE | 5W |
| 0341 | KD5USB | 559 | NM | FRED | 5W |
| 0343 | WW6D | 559 | CA | DOUG | 5W |
| 0345 | KB9ZUV | 599 | IN | GARY | 5W |
| 0347 | KD5UDB | 559 | LA | CHRIS | 5W |
| 0350 | N0DT | 559 | MO | DAN | 5W |
| 0352 | K5AF | 559 | TX | PAUL | 5W |
| 0353 | K50I | 559 | NM | TIM | 5W |
| 0354 | W6ZIG | 559 | CA | JOHN | 5W |
| 0357 | K50I | 559 | NM | TIM | 5W DUPE |
| 0359 | N5IB | 559 | LA | JIM | 5W |
| 0400 | N1FN | 559 | CO | FOX | 5W |
| 0400 | W0PWE | 559 | IA | FOX | 5W |

--

N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382
--

Date: Sun, 30 Nov 2003 07:34:34 -0500
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-l@lehigh.edu
Cc: wa2dgd@comcast.net
Subject: [162066] Re: How to measure keyed waveform
Message-ID: <5.0.2.1.2.20031130072301.02fcda98@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Larry,

You need a "ditter." There is one described in EMRFD (Experimental Methods for RF Design). It is actually for testing AGC (dits a bunch of RF into the front end of the radio), but can be easily adapted to dit a keyer instead. The circuit used by the ARRL Lab is described in the "ARRL Test Procedures Manual" (<http://www.arrl.org/members-only/prodrev/testproc.pdf>) as a "Keying Generator" on page 133. You have to be a member of the ARRL...

72 de Mike, K04WX
Michael C. Boatright

Date: Sun, 30 Nov 2003 08:33:04 -0500
From: "Brad Hedges" <bhedges@nc.rr.com>
To: <kr8z1@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [162067] Re: Need Multimeter
Message-ID: <002901c3b746\$7c38d940\$b6c73942@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just had the same issue - my 18-yr old Micronta (Radio Shack special)

crapped out after I screwed up and tried to measure current in parallel instead of series (Doh!).

I got a nice Triplet 1101-A at a local electronic store (the one that caters to hams) for \$42.95. It's got temperature, diode and transistor checking along with the V-O-M functions and seems to be very precise. It has a nice removable rubber "padding" that holds the electrodes and doubles as a stand, along with protecting it when it gets pulled off the bench....

Nice little rig, IMO.

73,
K0BHC

----- Original Message -----

From: "Jack e wigal" <kr8z1@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, November 29, 2003 3:11 PM
Subject: Need Multimeter

> Hey Gang, My old multimeter seems to be dying, so could some of you pro
> tinkerers suggest a medium priced one for an amatuer tinkerer????? Tnx,
> Jack kr8z1@juno.com

Date: Sun, 30 Nov 2003 08:46:39 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Jack e wigal <kr8z1@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [162068] Re: Need Multimeter
Message-ID: <Pine.LNX.4.21.0311300838470.21825-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Harbor Freight has their \$3 meters on sale again (#30756-4VGA). I have a Fluke and Tenma, but still bought six of these last time the deal came around. One for each car, the barn, kitchen, two for AZ/EL displays on the sat antenna etc.

By no means a Fluke grade instrument, but for three bucks, and being nearly disposable, you gotta at least consider them. Plus it keeps the kids from using the "good" meters to check batteries.

BTW, there is a new HF retail store in Lancaster PA, on Lincoln Hwy, in

case some "locals" read this.

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --  
-- N3XRV      ARRL-VE   Norcal Zombie #163 |   Oxford, PA 19363 FM29as   --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Sun, 30 Nov 2003 08:04:17 -0600
From: "Sam Binkley" <sbinkley1@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [162069] Re: N1FN Log, Hunt 10
Message-ID: <0aca01c3b74a\$d86c8780\$a67fe344@DHT81T11>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mornin' ET,

Good job. This was my first Fox hunt and I really enjoyed it. One
correction - 0253 should be KL7V. Thanks.

73,
Sam, KL7V/5

----- Original Message -----
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, November 29, 2003 11:16 PM
Subject: FOX: N1FN Log, Hunt 10

> Hi, Guys--
>
> Sorry it's taken so long to get my log typed up-- it's old news by now.
But
> punching it in was kind of like reliving the hunt. Especially where I had
two
> or three partial calls on a line before hearing a complete one. I'd
forgotten
> what it was like to have good condx and not run out of hounds half-way
through
> [g]. Pelt total is 126, counting the two fox freebies and subtracting the
one

> known dupe.
>
> Bound to be a typo or two in there-- please let me know as soon as you
can.
>
> Thanks, everybody, for playing, and I hope to see you all on the bands...
>
> 73
> ET
> QRP-L 40M Fox Hunt
> Hunt Number 10
> Op: N1FN (ET)
> QTH: Aurora CO
> Ant: Rotating short dipole at 40' (C4S),
> GAP Titan
> --
>> 0253 KL7K 559 OK SAM 5W
>

Date: Sun, 30 Nov 2003 09:16:03 -0500
From: "W. Keith Hibbert" <wkhibbert@frontiernet.net>
To: qrp-l@lehigh.edu
Subject: [162070] 8 cm Envelopes, The Hard Way (Homebrew)
Message-ID: <5.1.0.14.0.20031130090547.009ed270@pop3.frontiernet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi. Keith here in the Depths of the Great Bergen Swamp

Well, with further Googling not finding anything short of custom envelopes
available in 10K+ quantities, and NEEDING two envelopes NOW, i went the
homebrew path.

I disassembled and measured a 12 cm CD envelope and scaled it accordingly
for the 8 cm envelope. It ended up that I could fit both envelopes on one
8.5" x 11" sheet. I ended up with about 1/2" of scrap on each long edge
and 3/4" of scrap on the short edge, not bad.

My wife was looking over my shoulder and commented that if these were so
important that maybe, just maybe there is a market for such an
envelope. That brought the secondary though on my part that maybe someone
has software to lay out custom envelopes. Then a vendor to make envelopes,
package them in 50's and 100's and take them to computer shows and...
Man! That sound like real work!

Anyway, I now have my envelopes, homebrewed in the finest of amateur tradition. Yes, I glued the edge with Elmer's Glitter Glue, but that's all that was available in the leftover day care bin...

Do they still make mucilage bottles with the rubber applicator? I need some more envelopes :-)

73, Keith, WB2VU0, Trustee of the NQ2RP/B 10-Meter Beacon
28.2873 MHz on Your Radio Dial - 24/7

Date: Sun, 30 Nov 2003 09:40:03 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: wkhibert@frontiernet.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [162071] Re: OT: Envelopes for 8 cm (Small) CD/R's
Message-ID: <3FCA0143.5C62CA38@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I would ask the stores to check with their envelope suppliers. Since the item was formerly made, there is a very good chance it still is, They probably stopped carrying them for lack of sales. If they will not ask for you, try writing to established envelope manufacturers. Google can find you the addresses. look for speciality manufacturers/

Bruce

Date: Sun, 30 Nov 2003 09:46:03 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kr8z1@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [162072] Re: Need Multimeter
Message-ID: <3FCA02AB.54120B87@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jack,

I used to get a catalog from a surplus parts vendor that shower several low and medium priced multimeters. These units are rugged, and include sufficiently high input impedance that they double as VTVM's too. The one that I bought was about \$30. I
'm sorry that I am not at home where I can look up the name, but look at my historical posts on this list and you will find it.

73

Date: Sun, 30 Nov 2003 07:17:15 -0800
From: "john gabbard" <johngabbard@usintouch.com>
To: <ccart@phideaux.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [162073] Re: Need Multimeter
Message-ID: <001c01c3b755\$0a0a3490\$05861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wall Mart has a nice little DVM for \$13.?? also has temp.attachment and will do most of the functions that we need 73 KF70M

----- Original Message -----

From: "Chris Cartwright" <ccart@phideaux.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, November 30, 2003 5:46 AM
Subject: Re: Need Multimeter

> Harbor Freight has their \$3 meters on sale again (#30756-4VGA). I have a
> Fluke and Tenma, but still bought six of these last time the deal came
> around. One for each car, the barn, kitchen, two for AZ/EL displays on
> the sat antenna etc.

>

> By no means a Fluke grade instrument, but for three bucks, and being
> nearly disposable, you gotta at least consider them. Plus it keeps the
> kids from using the "good" meters to check batteries.

>

> BTW, there is a new HF retail store in Lancaster PA, on Lincoln Hwy, in
> case some "locals" read this.

>

>

> -- Chris Cartwright, Unix Administrator |
ccart@phideaux.com --

> -- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363
9as --
> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI
#9271 --
>
>
>
>

Date: Sun, 30 Nov 2003 15:17:30 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <wkhibbert@frontiernet.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [162074] Re: 8 cm Envelopes, The Hard Way (Homebrew)
Message-ID: <LAW15-DAV666VrsNw7600006809@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "W. Keith Hibbert" <wkhibbert@frontiernet.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, November 30, 2003 2:16 PM
Subject: 8 cm Envelopes, The Hard Way (Homebrew)

> Hi. Keith here in the Depths of the Great Bergen Swamp
>
> Well, with further Googling not finding anything short of custom envelopes
> available in 10K+ quantities, and NEEDING two envelopes NOW, i went the
> homebrew path.
>
> I disassembled and measured a 12 cm CD envelope and scaled it accordingly
> for the 8 cm envelope. It ended up that I could fit both envelopes on one
> 8.5" x 11' sheet. I ended up with about 1/2" of scrap on each long edge
> and 3/4" of scrap on the short edge, not bad.
>
> My wife was looking over my shoulder and commented that if these were so
> important that maybe, just maybe there is a market for such an
> envelope. That brought the secondary though on my part that maybe someone
> has software to lay out custom envelopes. Then a vendor to make
envelopes,

> package them in 50's and 100's and take them to computer shows and...
> Man! That sound like real work!
>
> Anyway, I now have my envelopes, homebrewed in the finest of amateur
> tradition. Yes, I glued the edge with Elmer's Glitter Glue, but that's
all
> that was available in the leftover day care bin...
>
> Do they still make mucilage bottles with the rubber applicator? I need
> some more envelopes :-)

You can still get it here in the UK, perhaps we are old-fashioned. 8-)

BTW, you can use mucilage gum to coat paper for making PCBs with toner transfer.

Leon

--

Leon Heller, G1HSM

Email: aqzf13@dsl.pipex.com

http://www.geocities.com/leon_heller

Date: Sun, 30 Nov 2003 09:19:29 -0600
From: "Brian Olson" <brolson@ties.k12.mn.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [162075] MFJ cub 9340 manual help
Message-ID: <NDBBJPBMGLKJGANKJAEJKEEBHDAA.brolson@ties.k12.mn.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello

I am building the 40m cub for the novice portion of the band. The manual is version 0A copyright 2000. This was part of the group buy via NJ qrp club (thank you). Will check the archive for tips and stuff. What I need is page 25 of the manual, it is blank (so is page 20 but that is for 20m). Page 25 covers I think coils, chokes and toroids (# windings). Can anyone help with this page?

Also missing is two caps but have those in spare parts bin. Manual seems to have errors and really wish the schematic listed values for 40m instead of * (I know it's in the band specific listings).

Operating is done mostly in the woods using a endfeed half wave wire. Code speed only 10wpm and very lid like, but I'll keep improving. ;)

Brian R. Olson
N0XFE
Bloomington, MN

Date: Sun, 30 Nov 2003 11:10:17 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: johngabbard@usintouch.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [162076] Re: Need Multimeter
Message-ID: <6.0.0.22.2.20031130110930.01e2f9b0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Yeah... but don't get in the way of any of those stampeding CD shoppers!!!

At 10:17 AM 11/30/2003, john gabbard wrote:

>Wall Mart has a nice little DVM for \$13.?? also has temp.attachment and will
>do most of the functions that we need 73 KF7OM
>///snip

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."

--Mark Twain

Date: Sun, 30 Nov 2003 09:30:42 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [162077] More Yaesu VX-2 Tiny HT
Message-ID: <Pine.LNX.4.44.0311291721130.4680-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang I got my little handitalky and it's more than I imagined!
The manual is at least as big, and resembles the manual for the Yaesu
FT-817 in layout and in the fact that basic functions are set using a
menu.

As you might recall when the 817 came out one person was selling
a book that took data from the 817 manual and made it easier to read and
understand and such an aid would be useful for this radio.

What I am happy about is the 1.5 watts output on 2 meters and 1
watt on 70 Cm's and the short antenna hits most of the repeaters in
town. This is different from the other tiny radios.

There is 1000 memory slots and they can store unusual splits,
ctcss data and much else. You can group them any way you want for
scanning. There is scanning of the whole band(s), of the memory and what
parts of each! This is a huge capability since it will scan from 500 KHz
to 999 MHz! Or less if you set it up.

It has a good tiny computer and a big as possible lcd display
window. I have no trouble reading it with my 68 year old eyes. It weighs
8 Oz with the battery so it's easy to carry in a pocket.

A guy from this list found a battery place on the web that sells
batteries for this radio at \$20.00. This is half the price Yaesu
charges. The battery will take about 300 charges, so it's good for a
year of daily use.

It will take several hours to set up this radio to my
satisfaction. It is very complex but once you get the idea in your head
on how to do most things it becomes easy. But this will take several
days because I have other things to do.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 30 Nov 2003 09:41:49 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: Chuck Adams <k7qo@commspeed.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [162078] Re: [AZpad] While waiting for the paddle
Message-ID: <Pine.LNX.4.44.0311300937000.4691-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 29 Nov 2003, Chuck Adams wrote:

> At 12:47 AM 11/29/2003 -0600, Dale Botkin wrote:
> >...snip snip...
> >I have some small experience with (ahem) the keyer in question, and I can
> >tell you with some degree of confidence that the first thing that's
> >getting done when *my* paddle kit arrives is to figure out a
> >directly-attached keyer to screw onto it. I think I have the physical

Well guys it's my opinion that the keyer should be large so my fat fingers can press a switch and CQFD CQFD DE K5DI ect come out of my radio at a speed I can change on the fly. I use this when I play Fox to send that boring message again and again.

I have the good PIC keyer and it works fine! But you must remember to send the right stuff and press a button, and I really never learned to do that in my sleep.

> >mounting part figured out, but I'll have to try it to see. And if you
> >can't program a PIC, don't despair. There's bound to be a web site
> >somewhere that a guy can buy one pre-programmed, or perhaps even a
> >complete kit. Heck, it may even be mentioned in my signature block, you
> >just never know.
> >
> >73,
> >Dale - N0XAS
> >--
> >It's a thankless job, but I've got a lot of Karma to burn off.
> >PicoKeyer Analog with pot speed control now available! Or add

> >memory and more to your Rock-Mite -- <http://www.hamgadgets.com>
>
>
> Dale is the author of the article in QST.
>
> I have one question. Is the hex file on the ARRL web site the same as
> the code shipped with the chip from you? Inquiring minds just gotta know.
>
> dit dit es good job,
>
>
>
> Chuck Adams K7QO k7qo@commspeed.net
> <http://www.qsl.net/k7qo> CP-60
>
> Moving to Arizona? Please bring your own water.
>
>
--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 30 Nov 2003 11:00:50 -0600
From: "rattray" <rattray@accesscomm.ca>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "QRP-C" <qrp-canada@neale.gpfn.sk.ca>
Subject: [162079] FOX - Fox Hunt Team Results -
Message-ID: <0000001c3b763\$82b9dd10\$7900a8c0@Bonnie>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hunt #10 - N1FN -

QRP Cheeseheads - 35

Cajun Thunder - 34

Jerry - N9AW *
Rick - NK9G * Clean
Gary - W9XT * Sweep
Lon - W9XU *
Jim - WA9TZE *

Wayne - K5E0A *
Wayne - N5YFC
Vern - AA50 *
Jim - N5IB *
Chris -KD5UDB *

The Underdogs - 35

Team Air Pork - 27

| | |
|-----------------------|-----------------------|
| Dan - N4ROA * | Wayne - K9DI * |
| Dennis - N4DD * Clean | Mike - KD5KXF * Clean |
| Bob - KB2FEL * Sweep | Dave - AG4PJ * Sweep |
| Dave - W0CH * | Randy - W9HL * |
| Ron - KI0II * | Jerry - N0JRN * |

| | |
|-----------------------------|-------------------------|
| Raiders of the Lost RF - 17 | The NE-TX Tornados - 42 |
|-----------------------------|-------------------------|

| | |
|-----------------|--------------------|
| Rob - VE6JAZ * | Bill - K5JHP * |
| Craig - VE4WI * | Don - K5DW * Clean |
| Fred - VE3FAL | Doc - W5TB * Sweep |
| Earl - VA6RF * | Lew - N5ZE * |
| Bruce - VE5RC * | George - W5YR * |

...this is closest we've come to all Teams getting a Clean Sweep!..well done everyone!

...please e-mail me direct with corrections, changes...tnx....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 30 Nov 2003 11:12:43 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>, "FPigs" <fpqrp-l@mpna.com>
Subject: [162080] Sunday Night Net

Message-ID: <004b01c3b765\$2b5cfc80\$4a78da0c@mchsi.com>

Well, I hope everyone has had a wonderful holiday weekend and you've saved some of your energy. I can't think of a better way to wrap up the weekend than checking into the Flying Pig Sunday Evening Net and telling us all about your Thanksgiving.

I hope to see you all there.

7.044 at 0130z

72 es oo Jerry NOJRN
FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. MP + #8
<http://home.mchsi.com/~n0jrn>

Date: Sun, 30 Nov 2003 11:23:58 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [162081] [SOLD] PSK-80 Warbler w/30 mtr kit
Message-ID: <3.0.2.32.20031130112358.00832100@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

SOLD

NJQRP PSK-80 Warbler with 30 meter kit

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Sun, 30 Nov 2003 12:31:33 -0500
From: "Michael Bower N4NMR" <bowerm@ix.netcom.com>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [162082] RE: More Yaesu VX-2 Tiny HT
Message-ID: <ODE0IKLMAJFGCNMOGAGIEENNEBAA.bowerm@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"

Content-Transfer-Encoding: 7bit

The one thing I wondered about with this rig is the lack of keypad.

Can users tell me if this is a drawback or not? To a large extent, I set up a HT and then just use it. Don't use the autopatch much any more with cell phones. So don't know if I'd miss the keypad or not.

Other than that, it sounds like a great rig. One more thing to my growing Christmas list. I think I need a few more understanding wives to buy me more goodies <grin>.

Micheal N4NMR

Date: Sun, 30 Nov 2003 09:37:41 -0800 (PST)
From: Mark Hogan <n5obc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [162083] NORCAL cap kit???
Message-ID: <20031130173741.42847.qmail@web9603.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Does anyone have a list of values for these caps in the kit? I know Doug sent one out, but darned if I can find it, and I am technologically challanged (I have a resistor cheat sheet bu tno a cap cheet sheet..)

I was looking for one to sub for c8 in my RM40 to lower the sidetone...

Mark Hogan / N50BC

Do you Yahoo!?
Free Pop-Up Blocker - Get it now
<http://companion.yahoo.com/>

Date: Sun, 30 Nov 2003 11:37:45 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>
Subject: [162084] Final Truffle Log

Message-ID: <005401c3b768\$aa62f680\$4a78da0c@mchsi.com>

Thanks to those who sent me corrections. Thankfully, there were only a couple of them.

Here is the final log for last Tuesday evenings Truffle hunt.

Again, many thanks to all of you for supporting the Truffle and don't forget that LL is coming up this coming Tuesday evening. He's a whiz at working these things so give him a good run.

| | | | | |
|--------|-----|----|--------|-----|
| W5YR | 559 | TX | GEORGE | 5W |
| K5JHP | 559 | TX | BILL | 5W |
| KB9YIG | 569 | IN | TONY | 2W |
| N9NE | 569 | WI | TODD | 5W |
| K5SR | 559 | TX | DALE | 5W |
| K1EV | 539 | CT | BILL | 695 |
| W5TB | 559 | TX | DOC | 128 |
| W9PWE | 559 | IA | JERRY | 218 |
| W8DIZ | 559 | OH | DIZ | 1 |
| AG4PJ | 559 | AL | DAVE | 226 |
| WB8YYY | 559 | MD | CURT | 44 |
| N3BJ | 579 | VA | ALAN | 5W |
| NOEA | 559 | MO | WAYNE | 677 |
| AJ4AY | 579 | AL | JAY | 115 |
| K3ESE | 559 | MD | LLOYD | 476 |
| W4FOA | 599 | GA | TONY | 174 |
| K9NX | 579 | IN | TIM | 176 |
| KG4LDY | 559 | VA | JIM | 384 |
| K0UU | 559 | MN | JEFF | 510 |
| W0ANM | 559 | MN | CHRIS | 664 |
| W5KDJ | 559 | TX | WAYNE | 626 |
| N5ZE | 599 | TX | LEW | 575 |
| WA8BXN | 559 | OH | MIKE | 624 |
| K8KFJ | 559 | WV | GARY | 702 |
| K8MIA | 559 | WV | JIM | 408 |
| K0EVZ | 579 | NM | DOC | 49 |
| W5HNS | 559 | TX | HENRY | 5W |
| WA8THK | 559 | MI | PERRY | 582 |
| NOJRN | 559 | MO | JERRY | 546 |

Thanks again to everyone and have a super week.
Don't forget the net tonight !!

72 es oo Jerry NOJRN
FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,

Springfield, Mo. MP + #8
http://home.mchsi.com/~n0jrn

Date: Sun, 30 Nov 2003 12:46:54 -0500
From: "N2ICZ" <n2icz@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [162085] FS
Message-ID: <Law10-0E19wttra0kuz00000762e@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I've decided to go for an FT817 and as such I need to bolster "the fund" a bit. So the following items are offered to the qrp=1 group before they hit eBay.

1. Oak Hills Research 500 (OHR500) - A fine rig with super hearing. Covers 15, 20, 30, 40 and 80 meters. Excellent cx and well cared for (You may have to pry this from my fingers when I sell it). \$365.00 post paid CONUS.
2. LDG Electronics QRP Automatic Antenna Tuner (Pre-Z11). Mint. \$100.00 post paid CONUS. I also will include a DWM yo yo portable dipole antenna as part of the package.
3. Wilderness SST 20 meters - 2.5 watts. Good shape. \$65.00 post paid CONUS.

I can email pictures if you'd like. I'm working today, so I will respond to emails within 24 hours.

73 and thanks.

Larry Spinner
N2ICZ

Date: Sun, 30 Nov 2003 10:55:04 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: Michael Bower N4NMR <bowerm@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [162086] RE: More Yaesu VX-2 Tiny HT

Message-ID: <Pine.LNX.4.44.0311301052140.4691-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 30 Nov 2003, Michael Bower N4NMR wrote:

> The one thing I wondered about with this rig is the lack of keypad.
>
> Can users tell me if this is a drawback or not? To a large extent, I set up
> a HT and then just use it. Don't use the autopatch much any more with cell
> phones. So don't know if I'd miss the keypad or not.

Hi Mike, it has a DTMF decoder and you can use this radio to
make a autopatch on a repeater. But it's difficult and what I have done
is put numbers I often call into memory. Then you just remember how to
recall the file...:-)

>
> Other than that, it sounds like a great rig. One more thing to my growing
> Christmas list. I think I need a few more understanding wives to buy me
> more goodies <grin>.
>
> Micheal N4NMR
>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 30 Nov 2003 17:56:17 -0000
From: "Paul" <pswarman@screaming.net>
To: <n5obc@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [162087] RE: NORCAL cap kit???
Message-ID: <MDBBICDMMCDMILMAPJBFEFCFDGAA.pswarman@screaming.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Guys, due to many, many requests, we have decided to do another run of the
> NorCal Cap kits. Here is what you will get in the kit: 20 of each of the

> following values, all NPO disc ceramic except for the .01 and .1 which are
> Mono Caps.
>
> 1, 2.2, 4.7, 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120,
150,
> 180, 220, 270, 330, 390, 470, 560, 680, 820, 1000 pF, and .01 & .1 uF.
That
> is a total of 600 caps.
>
> The price? \$30 plus \$4 shipping and handling. How do you order? Send a
> message to me, Doug Hendricks with NorCal Cap Kit Order in the subject
line.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Mark Hogan
Sent: Sunday, November 30, 2003 5:38 PM
To: Low Power Amateur Radio Discussion
Subject: NORCAL cap kit???

Does anyone have a list of values for these caps in
the kit? I know Doug sent one out, but darned if I
can find it, and I am technologically challenged (I
have a resistor cheat sheet but no a cap cheat
sheet..)

I was looking for one to sub for c8 in my RM40 to
lower the sidetone...

Mark Hogan / N50BC

Do you Yahoo!?
Free Pop-Up Blocker - Get it now
<http://companion.yahoo.com/>

Date: Sun, 30 Nov 2003 10:34:20 -0800 (PST)
From: Mark Hogan <n5obc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [162088] Re: NORCAL cap kit???
Message-ID: <20031130183420.86036.qmail@web9604.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks to all for the quick replies
not to get the right one in the rm40

Do you Yahoo!?
Free Pop-Up Blocker - Get it now
<http://companion.yahoo.com/>

Date: Sun, 30 Nov 2003 12:42:10 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [162089] Re: How to measure keyed waveform
Message-ID: <3.0.6.32.20031130124210.007b35c0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Larry,
>
>You need a "ditter."

I just use a keyer, set the speed fairly high and hold the dot paddle closed. You then need to find a place in the rig to trigger the scope when the rig is keyed (easy if you use an external keyer, just trigger on the keyer output)

You need to trigger the scope so you can get a stable display of the output on the scope to measure the rise and fall time and will also show you if there is any delay between the keying and the actual RF output.

If you don't have a convenient place to clip a scope probe to the RF output, using a "T" and a jumper back to the scope will work.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 30 Nov 2003 11:21:15 -0800 (PST)
From: Mark Hogan <n5obc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [162090] RE: NORCAL cap kit???
Message-ID: <20031130192115.25044.qmail@web9602.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

OK
Now that we know what values I have...How do I
associate the markings with values...

331
471
561
601
391J
102J
421J

Mark Hogan / N50BC

Do you Yahoo!?
Free Pop-Up Blocker - Get it now
<http://companion.yahoo.com/>

Date: Sun, 30 Nov 2003 15:19:46 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: n50bc@yahoo.com, qrp-L Reflector <qrp-l@lehigh.edu>
Subject: [162091] Capacitor markings
Message-ID: <6.0.0.22.2.20031130150623.01e52bc0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

331 = 330 pf MOST of the time, that "1"/etc. = the number of zeroes to
place after the 1st two digits, to yield the value in pf. The most notable
exception being SOME silver mica caps, where 330 equals 330pf. USUALLY, if
there's a J, or a K, following the 3 numerals, it means the 1st definition.
But it's ALWAYS best to measure unknown origin silver micas.

$1000\text{pf} = 1\text{nF} = 0.001\mu\text{F} = 102\text{J}$

AND

for most MIL / ceramic / monolithic caps, you can keep track by picking a
standard, and equate from there. A company I worked for a long time ago
used mostly 0.1 μF caps for digital bypassing, so I used 104... e.g.

CK05BX104's.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Sun, 30 Nov 2003 15:19:55 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: wa2dgd@comcast.net, qrp-L Reflector <qrp-l@lehigh.edu>
Subject: [162092] Re: How to measure keyed waveform
Message-ID: <6.0.0.22.2.20031130111642.01d302f8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

While I think you COULD do a direct connection-at 5W to a DL-I wouldn't do it.

Use a 10X probe. That way, any loading effects by the scope input as well
as those of the cable, will be negligible (*1) for HF measurements. Use a
BNC-Tee. TEK used to have a red plastic pickoff (to connect the probe to

the BNC CAL-OUT) that would be VERY handy for this... and connect the probe's GND clip wherever is handy.

The 'regular' AUTO trigger ought to be fine-although, if you want to use a delayed sweep you MAY need to help the trigger out some with EXT Sweep. Easiest way for that is to use a 10X probe connected to the same place. I personally would use the internal, auto-trigger (which requires NO connection on its own); but if that was not working out, then the RF for a trigger; and lastly the keyer. You can use a 1X probe for the key. The trigger probe does not HAVE to be another scope probe. It's just easier to use/etc. Any BNC cable with some clips on one end would work (*2). But I think the regular Internal Trigger will be fine.

Should you want to use the keying line, I see no reason the trigger probe could not be connected across the key. There's SOME voltage present on those terminals, and the CHANGE in that voltage (to GROUND/zero volts) is what will set off the trigger.

(*1) Besides the input circuitry's net capacitance, a regular cable has some as well. As you know, RG-58 has a specific capacitance/foot, and that gets added in as well. Keep in mind that whatever capacitance we're talking about gets added in parallel to ground. In the case of RG-58 this figure is 29.6pf/ft. 10X probes have some pf/ft also, but the 10X divider is in the probe, reducing the effects of that capacitance on the test-subject.

For RF frequencies, TEK made 2 Active FET Probes (one good to 650MHz and one to [I think] 950MHz) that placed FET amplifiers in the probe to buffer the input and reduce loading at RF frequencies. 100 pf to ground is bad enough at 7 MHz, but is DROP-DEAD-SERIOUS at 400MHz. Mostly the active probes are trying to eliminate the effects of the 10X divider capacitance/etc. rather than the cable's characteristics.

Note also, that for a keying waveform, you are mostly looking for the high speed, switching-transient garbage on the leading edge of your keying waveform-so that 100PF in a 3 ft cable is more than enough to filter that edge. For a squarewave, this tends to round of the corners-and if there are any nasty little ringing transients on that leading edge, this filtering may be just enough to grossly reduce them-just what you don't want when you're looking for key-clicks, etc.

(*2) In the case of some kind of RF-feedback problem from high VSWR, or other high power RF-related problems, such a 1X pickoff might swamp that RF problem... but OTOH, your feedback problem would then clear up somewhat, cluing you in that it was RF through the key into the TX that was the problem. Not a typical problem with modern TXs-much less with QRP.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Sun, 30 Nov 2003 14:09:28 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [162093] FOX: Tom KV2X
Message-ID: <Pine.LNX.4.44.0311301406581.4763-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Tom, please reply to this email and let me know if you want
high or low Tuesday next. It makes no nevermind to me. I hope we have
good propagation!

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Sun, 30 Nov 2003 16:30:58 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [162094] Re: QRPTTF 2003 results?
Message-ID: <3FCA6192.9080201@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

> Hey Gang,
>
> Just wondering if the QRPTTF 2003 results have been published, and if so,
> can someone send me a link to look at them. Thanks
>
> 73's Trev - KG6CYN
> <http://www.qsl.net/kg6cyn>

Been waiting to see a response to this, as I was curious also. Have the results from QRPTTF been posted anywhere? I looked at the NORCAL page but last contest results are from 2001!

John W2AGN

Date: Sun, 30 Nov 2003 16:55:07 -0500
From: <bill@n4qa.com>
To: <qrp-l@lehigh.edu>
Subject: [162095] DSW-20-RTTY QSO number two...or, 'tweren't no fluke...
Message-ID: <000701c3b78c\$9feb2c80\$8c27ad80@f1n5n8>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok, I promise I won't post each time I make a Q with my new DSW-20-RTTY rig but it really gets me going...
For the full text of this QSO, please see:
<http://www.n4qa.com/dswmulti/dswrtty2.txt>

This QSO was completed under difficult conditions during the big CW contest...the QRM is evident in the copy.
Still, it does my heart a lot of good to hear CW activity over the entire

lower 100 KHz of 20 meters. :0)
Those guys were having loads of fun...and so was I.
For some reason, I like 14088 KHz(mark) for my QRP RTTY contacts and that's
where this one took place.
As seen in the QSO text, I upped my power some to help with conditions...

73.
Bill, N4QA
<http://www.n4qa.com>

Date: Sun, 30 Nov 2003 14:28:20 -0800
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [162096] K1 ser.#1734
Message-ID: <004a01c3b791\$42e12c60\$1e861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just finished the last tweaking of my new K1-4 +2. After figuring out how
to fill the menu, this OM has a nice working rig. It was harder to align than
the Sierra I built, but I think the receiver is a bit quieter. The only thing
I don't like is changing band modules without bending a cap or two. Anybody
have an easy way to remove them? If I keep bending those components, one is
sure to break off one day. Thanks 73's John

Date: Sun, 30 Nov 2003 16:42:08 -0800
From: "Michael Melland, W9WIS" <w9wis@charter.net>
To: <qrp-l@Lehigh.EDU>
Subject: [162097] Interesting CW Catch.....
Message-ID: <002301c3b7a3\$f37ccae0\$0300a8c0@e5o8v5>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was doing a bit of informal HF snooping today with my fancy receivers.
I'd been catching Russian trawlers on RTTY a few times recently and was
searching 8 MHz for possible signals.

On about 8.534 on USB I happened upon a CW signal sending " CQ CQ Test AB9H AB9H Test" Hmmm I said.... obviously a contest but on 8 MHz ?? AB9H is apparently in IL.

On a hunch ...I found AB9H actually sending on about 7.045.5 MHz sort of "buzzy" sounding good copy but not overly strong. Think the 8 MHz signal was an artifact ? It was much weaker

Mike

--

Michael Melland, W9WIS
Winneconne, WI USA
<http://webpages.charter.net/w9wis>

Date: Sun, 30 Nov 2003 15:58:39 -0700
From: "Bruce Kizerian" <kizerian@xmission.com>
To: <johnfarns@bellsouth.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [162098] Re: Weller WCTP Iron
Message-ID: <006b01c3b795\$80fbc6a0\$870746a6@98seoem>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Hey anybody know about the Weller Iron? Anybody have an opinion?

Sure John, One thing I am never short of is opinion. It was a great discussion, though, and I have moderated my opinion just a bit. I took no offense either. After all I was the one that started all the growling...:-)

Bruce kk7zz

Date: Sun, 30 Nov 2003 14:58:16 -0800
From: Stephen Wandling <stephen@SwiftsureConsulting.com>
To: n5obc@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [162099] Re: NORCAL cap kit???

Message-ID: <3FCA7608.6070803@SwiftsureConsulting.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 8bit

Take a look at this page to figure out capacitor values and tolerances:

<http://diz.faithweb.com/builders/caps.htm>

Mark Hogan wrote:

>OK
>Now that we know what values I have...How do I
>associate the markings with values...
>
>331
>471
>561
>601
>391J
>102J
>421J
>
>
>Mark Hogan / N50BC
>
>-----
>Do you Yahoo!?
>Free Pop-Up Blocker - Get it now
><http://companion.yahoo.com/>
>
>
>

--

Regards,

Stephen Wandling
Project Manager
Swiftsure Consulting

P: (604) 649-1418
F: (604) 648-8945

"If I knew for a certainty that a man was coming to my house with the conscious design of doing me good, I should run for my life." Henry David Thoreau

Date: Sun, 30 Nov 2003 18:14:04 -0500
From: "NZ8J" <nz8j@woh.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [162100] new processor chip for LDG tuners
Message-ID: <004301c3b797\$a5ad2b40\$6400a8c0@NZ8J>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,
For those who own a Z-11 or AT-11MP autotuner by LDG, there is a new processor available that adds 200 memories to the tuner along with a couple other enhancements. http://www.ldgelectronics.com/mem_upgrade.html This may be old news, but I just ran across it and thought I would pass it on since many on this list use LDG tuners...

73
Tim
NZ8J

Date: Sun, 30 Nov 2003 18:51:19 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [162101] Re: 8 cm Envelopes, The Hard Way (Homebrew)
Message-ID: <5.1.1.6.1.20031130185002.00b21448@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Anyway, I now have my envelopes, homebrewed in the finest of amateur
>tradition. Yes, I glued the edge with Elmer's Glitter Glue, but that's
>all that was available in the leftover day care bin...
>
>Do they still make mucilage bottles with the rubber applicator? I need
>some more envelopes :-)

Keith,

Tops supermarket had them. That's where I get mucilage for my homemade toner transfer paper for making PC boards.

Dave

Dave Hinerman
WD8CIV@att.net

End of QRP-L Digest 3120

